

AA1682287 wc51c01.x
 AA6319209 np78b10.s
 AA578209 np156f11.s
 AA1557474 PT2.1_7_G
 AA618586 np30h03.s
 AA1417931 tg55e07.x
 AA1557019 PT2.1_10
 AA876897 ny47q12.s

Michael Emmert-Buck, M.D., Ph.D.
Preparation: David B. Krizman, Ph.D.
DNA Library Preparation: Greg Lennon, Ph.D.
DNA Library Arrayed by: Genome Systems Inc.
DNA Sequencing by: Washington University Genome Sequencing Center
One distribution: NCIT-CCGP
Clone distribution information can be
found through the I.M.A.G.E. Consortium/LINL at:
bio.lnl.gov/bibrp/image/image.html

10	3	c	c
11	76	35.5	370
12	53	24.8	545
13	20	9.5	103
14	8.9	8.9	421
15	18	8.4	422
16	8.4	326	423
17	522	39	AA35225

AA1972706 wr42d01-14.X
AA053931 RPC11-14.X
AV082866 AV082866
A1056551 oy98d10.X
A1147724 qb43d09.X
AA081449 zn06g06.X
AA835226 ak65b06.X
A1467857 t183g02.X

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/orramism="taxon:9606"  
/db_xref="IMAGE:1132411"  
/clone_id="NCI_CGAP_Pr2"  
/sex="Male"  
/dev_stage="45 years old"  
/lab_host="DHMOB"  
/note="Strain: NCIPI; Site_1: NotI; Site_2: EcoRI; 1st
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C	C	C	28	17	7.9	441	91	AQ145997
C	29	17	7.9	443	55	N70966	23-34C02.51	AQ145997
30	17	7.9	462	87	AQ181574.0	AQ181574.0	AQ181574.0	AQ181574.0
31	17	7.9	468	104	AQ555758	AQ555758	AQ555758	AQ555758
C	32	17	7.9	484	N31364	N31364	N31364	N31364
C	33	17	7.9	485	30	AK197315	AK197315	AK197315
C	34	17	7.9	490	43	A1162663	A1162663	A1162663
F	17	7.9	506	62	A193753	A193753	A193753	A193753
F	17	7.9	506	62	A193753	A193753	A193753	A193753

DNAse-treated total cellular RNA obtained from 5,000-10,000 microdissected preneoplastic cells histologically determined to be prostatic intraepithelial neoplasia 2 (PIN2) cells. Double stranded cDNA was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cDNA with an adaptor-specific primer, and the resulting PCR product subcloned into pM10 by the PCR-cloning method (Life Technologies). Average insert size is 600

37	17	7.9	526	100	A02283408
38	17	7.9	527	99	A023469
39	17	7.9	531	87	A0805277
40	17	7.9	541	100	A0313844
41	17	7.9	541	104	A0563558
42	17	7.9	544	49	A1632528
43	17	7.9	546	103	A0479186
			554	104	A022746
			554	105	A022746

101 a 88 c 93 g 87 t
 constructed by David Klemm.

A1792251 369 bp mRNA EST 02-JUL-1999
 LOCUS [NP_771179.251](#) Homo sapiens cDNA clone IMAGE:1132411
 DEFINITION=np771179.1.y5 NCL_CGAP_Pr2 Homo sapiens mRNA sequence.
 similar to contains Alu repetitive element; contains element M
 repetitive element ; mRNA sequence.
 ACCESSION A1792251
 VERSION A1792251.1 GI:5339967
 KEYWORD EST
 SOURCE human.
 ORGANISM homo sapiens

TCAGGCAAGCAGATCTGGTCCCACCTTGCAGAGAACAGCGATGTTGGC 122
 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
 TCGGCGAACGTGGATTGGTCCCACCTTGCAGAGAACAGCGATGTTGGC 126
 TTCTCGATCAGGACGGGCATCTACTACTCTCCAGAGTGTCTCTCAA 182
 TTCTCGATCAGGACGGGCATCTACTACTCTCCAGAGTGTCTCTCAA 186
 GAAACATCTCTGAAACATCTACTGG 214
 ||||||| ||||||| ||||||| |||||||
 GAAACATCTACTCTGAAACATCTACTGG 218

REFERENCE 1 (bases 1 to 305)
 AUTHORS NCI/NCI-NCAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
 TITLE National Cancer Institute / National Institute of Dental Research
 Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
 Unpublished (1997)
 JOURNAL On Jun 5, 1998 this sequence version replaced g1.318727.
 COMMENT

I168287 329 bp mRNA EST 26-MAY-1999
 c51c01.x1 NCI-CGAP PR28 Homo sapiens cDNA clone IMAGE:2334143'
 contains Alu repetitive element; contains element MERA4
 similar to repetitive element ; mRNA sequence.
 I168287 1 GI:4892469

316 93.2 642 48 A^{TTT}T^{TTT}T^{TTT} A1557474 PT2.1-7_G
c 3 292 86.1 329 50 A^{TTT}T^{TTT}T^{TTT} A1682287 wcs1c01.x
c 4 292 86.1 369 60 A^{TTT}T^{TTT}T^{TTT} A1792251 np78b10.y
c 5 292 86.1 380 63 A^{TTT}T^{TTT}T^{TTT} AA631916 np78b10.s
c 6 266 78.5 378 39 A^{TTT}T^{TTT}T^{TTT} AA878897 ny4912.s
c 7 261 77.0 294 46 A^{TTT}T^{TTT}T^{TTT} A147931 t955e07.x
c 8 222 65.5 760 48 A^{TTT}T^{TTT}T^{TTT} A1557019 PT2.1-10
c 9 171 50.4 322 36 A^{TTT}T^{TTT}T^{TTT} AG012358 A1557019 PT2.1-10
c 10 76 22.4 370 63 A^{TTT}T^{TTT}T^{TTT} A1972706 wr4204.x
c 11 56 16.5 103 103 A^{TTT}T^{TTT}T^{TTT} AG039311 RPC1-11-3
c 12 34 10.0 531 104 A^{TTT}T^{TTT}T^{TTT} A0560799 HS_2079.B
c 13 30 8.8 417 90 A^{TTT}T^{TTT}T^{TTT} A0560799 HS_2079.B
c 14 30 8.8 641 79 A^{TTT}T^{TTT}T^{TTT} AG012358 A1557019 PT2.1-10
c 15 30 8.8 645 79 A^{TTT}T^{TTT}T^{TTT} AG012358 A1557019 PT2.1-10
c 16 30 8.8 652 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 17 30 8.8 725 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 18 30 8.8 726 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 19 30 8.8 727 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 20 30 8.8 742 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 21 29 8.6 752 79 A^{TTT}T^{TTT}T^{TTT} AG012359 Homo sapi
c 22 29 8.6 390 24 H72049 Y-7-019
c 23 29 8.6 397 36 A0588994 RPC1-11-4
c 24 29 8.6 398 33 A^{TTT}T^{TTT}T^{TTT} AA455041 aa0406.s
c 25 29 8.6 407 24 H73336 HS_5431_A
c 26 29 8.6 504 82 A0727006 HS_5431_A
c 27 27 8.0 213 25 N70900 A0588994 RPC1-11-4
c 28 27 8.0 249 104 T92000 4801C12.S1
c 29 27 8.0 272 21 A^{TTT}T^{TTT}T^{TTT} AA455041 aa0406.s
c 30 27 8.0 325 37 A^{TTT}T^{TTT}T^{TTT} AA702361
c 31 27 8.0 326 21 T96961 Y-50d01.S1
c 32 27 8.0 327 64 A089007 x34b09.x
c 33 27 8.0 328 35 AA588288
c 34 27 8.0 359 37 AA714884
c 35 27 8.0 380 34 AA503720
c 36 27 8.0 383 47 A1500579 tn9304.x
c 37 27 8.0 387 26 W47327 x-39c12.s1
c 38 27 8.0 390 47 A1522295
c 39 27 8.0 395 21 R02172 Y-87e07.s1
c 40 27 8.0 396 26 W45269
c 41 27 8.0 404 21 R01398 Y-77a2.s1
c 42 27 8.0 425 26 W47326 239c12.r1
c 43 27 8.0 425 38 AA807307 oc38a01.s
c 44 27 8.0 427 45 AA807307 ta96f08.x
c 45 27 8.0 435 87 A1349788 A1349788
c 45 27 8.0 435 87 A0757670 HS_2274_B

ALIGNMENTS

RESULT 1

RA578209 A^{TTT}T^{TTT}T^{TTT} 375 bp mRNA EST 12-SEP-1997
LOCUS n156f11_s1 NCI_CGAP_Pr4 Homo sapiens cDNA clone IMAGE:104717
DEFINITION similar to contains Alu repetitive element; contains element MERA4
REPEITIVE element ; mRNA sequence.
ACCESSION AA578209
VERSION AA578209.1
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 315) NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Title
Tumor Gene Index
Unpublished (1997)
On Sep 12, 1996 this sequence version replaced gi:1407086.
Contact: Robert Strausberg, Ph.D.
Tel: (301) 496-1550
Email: Robert_Strausberg@nih.gov
Tissue Procurement: W. Marston Linehan, M.D., Rodrigo F. Chuequi,
M.D., Michael R. Emmert-Buck, M.D., Ph.D.

RESULT 2

RA551244 A^{TTT}T^{TTT}T^{TTT} 642 bp mRNA EST 09-AUG-1999
LOCUS A1557474 642 bp mRNA EST 09-AUG-1999
DEFINITION PT2.1-7_G02.r tumor2 Homo sapiens cDNA 3', mRNA sequence.
ACCESSION A1557474
VERSION A1557474.1 GI:4489837
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 642) Huang,G.M., Ng,W.L., Parkes,J., He,L., Liang,H.A., Gordon,D., Yu,J.
AUTHORS and Hood,L.
TITLE prostate cancer expression profiling by cDNA sequencing analysis

CDNA Library Preparation: David B. Krizman, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LINL at:
www-bio.llnl.gov/bbrp/image/image.html

Insert Length: 395 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham.
Seq Location/Qualifiers

FEATURES SOURCE

1. 375
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone IMAGE:1044717"
/clone_lib="NCI_CGAP_Pr4"
/sex="male"
/tissue_type="prostatic intraepithelial neoplasia - high
grade"
/dev_stage="adult"
/lab_host="DHIB"
/note="organ: prostate; vector: PAMP10; mRNA made from
prostatic intraepithelial neoplasia (high grade), cDNA
made by oligo-dT priming. Non-directionally cloned.
size-selected on agarose gel, average insert size 600 bp.

BASE COUNT 110 a 87 c 90 g 88 t
ORIGIN

Query Match 100.0% Score 339; DB 35;

Best Local Similarity 100.0%; Pred. No. 4.8e-169;
Matches 339; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GACCAACAGAGCCACTGGAGGCTGAACCTTACGCCGATGCTGCTGCAAGGTC 60
Db 1 GACCAACAGAGCCACTGGAGGCTGAACCTTACGCCGATGCTGCTGCAAGGTC 60
A1532295 t176e03.x
R02172 Y-87e07.s1

QY 61 AGGCAGCTGATCTGGTCCCACCTTGAGAGACAGCGATGTTGTCGCCATT 120
Db 61 AGGCAGCTGATCTGGTCCCACCTTGAGAGACAGCGATGTTGTCGCCATT 120
W45369 z-28e09.s1
R01398 Y-77a2.s1
W4726 239c12.r1

QY 121 TCTCGATCAGGACCGGCCACTTACTACCTCCAGAGTGTCTTCTCTCTAAATAGA 180
Db 121 TCTCGATCAGGACCGGCCACTTACTACCTCCAGAGTGTCTTCTCTCTAAATAGA 180
A1349788 ta96f08.x
Db 121 TCTCGATCAGGACCGGCCACTTACTACCTCCAGAGTGTCTTCTCTCTAAATAGA 180

QY 181 AACATCTACTTGAACCTACTGGCAGACCTGAGTGTCTGCTCAGCTGTAATT 240
Db 181 AACATCTACTTGAACCTACTGGCAGACCTGAGTGTCTGCTCAGCTGTAATT 240

QY 241 CTGGATTCTGGAGGCCAGGGCAGAAGATCTCTGACACAGGAGTCCAGCACGCC 300
Db 241 CTGGATTCTGGAGGCCAGGGCAGAAGATCTCTGACACAGGAGTCCAGCACGCC 300

QY 301 TGGCAATCTAGAGAGCTGCTCTTATTACATA 339
Db 301 TGGCAATCTAGAGAGCTGCTCTTATTACATA 339

seq-documentation.html
 LOCUS AA570478 495 bp mRNA EST 25-AUG-1997
 DEFINITION nK6a02.s1 NCI-CGAP_Schl Homo sapiens cDNA clone IMAGI:1018250 3'
 ACCESSION similar to contains Alu repetitive element; mRNA sequence.
 VERSION AA570478
 AA570478.1 GR:2344458
 KEYWORD EST.
 ORGANISM human.
 SOURCE Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 495)
 AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
 TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT On May 6, 1995 this sequence version replaced gi:801198.
 Contact: Robert Strausberg, Ph.D.
 Tel: (301) 496-1550
 Email: Robert.Strausberg@nih.gov
 Tissue Procurement: L. Jeffrey Medeiros, M.D., Michael R.
 Emmert-Buck, M.D., Ph.D.
 CDNA Library Preparation: Stratagene, Inc., David B. Kranzman,
 Ph.D.
 CDNA Library Arraying: Greg Lennon, Ph.D.
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone Distribution: NCI-CGAP clone distribution information can be
 found through the T.M.A.G.E. Consortium/LINL at:
www-bio.lnl.gov/bbcrp/image/image.html

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/db_xref="taxon:9605"
/clone=IMAGE:11332
/clone lib="Soares fetal liver spleen INFLS"
/sex="male"
/dev_stage="20 week-post conception fetus"
/lab_host="DH10B (ampicillin resistant)"
/note="organ: Liver and Spleen; Vector: pHT3D (Pharmacia)
with a modified polylinker; Site_1: Eco RI; Site_2: Eco RI;
1st strand cDNA was primed with a Pac I - oligo(dT) primer
[5', AACCTGGAGATTAAAGCTTCTTCTTCTTCTTCTTCTT 3'],
double stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Pac I and cloned into the Pac I
and Eco RI sites of the modified pHT3 vector. Library
went through one round of normalization. Library
constructed by Benno Soares and M.Fatima Bonaldo."

```


REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
Eutheria; Primates; Catarrhini; Hominoidea; Homo.
1 (bases 1 to 305)
AUTHORS NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncigap>.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP).
JOURNAL Tumor Gene Index
COMMENT Unpublished (1997)
On Sep 12, 1996 this sequence version replaced g1:1394868.
Contact: Robert Strausberg, Ph.D.
Tel: (301) 496-1550
Email: Robert.Strausberg@nih.gov
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -1ml3 fwd. ET from Amersham.

Percent Similarity: 100.000 Percent Identity: 100.000
 alignment_block: alignment_block:
 US-09-065-672-13 x A1792251 US-09-065-672-13 x A1972705/rev
 Align seg 1/1 to: A1792251 from: 1 to: 369
 Align seg 1/1 to reverse of: A1972705 from: 1 to: 370
 seq_name: gb_est37:A1972706
 documentation_block:
 EST 25-AUG-1999
 DEFINITION A1972706 x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2490343 3'
 similar to contains Alu repetitive element:contains element MER4
 repetitive element ; mRNA sequence.
 ACCESSION A1972706
 VERSION A1972705.1 GI:5769532
 KEYWORDS EST.
 SOURCE
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 370)
 REFERENCE NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
 AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 TITLE Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT On Dec 20, 1995 this sequence version replaced gi:1135022.
 Contact: Robert Strausberg, Ph.D.
 Tel: (301) 496-1550
 Email: Robert.Strausberg@nih.gov
 Tissue Procurement: Michael J. Brownstein, M.D., Ph.D., Michael R.
 Emmert-Buck, M.D., Ph.D.
 CDNA Library Preparation: M. Bento Soares, Ph.D.
 CDNA Library Arrayed by: Greg Lennon, Ph.D.
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone distribution: NCI-CGAP clone distribution information can be
 found through the I.M.A.G.E. Consortium/LN1 at:
 www-bio.lnl1.gov/bbrp/image/image.html
 www-bio.lnl1.gov/bbrp/image/image.html
 Seq primer: -40UP from Gibco.
 FEATURES source
 1. 370 Location/Qualifiers
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="IMAGE:2490343"
 /clone_lib="NCI_CGAP_Pr28"
 /sex="male"
 /dev_stage="adult"
 /lab_host="DH10B"
 /note="Organ: prostate; Vector: pRTT3D-Pac (Pharmacia)
 with a modified polylinker; Plasmid DNA from the
 normalized library NCI_CGAP_Pr22 was prepared, and S
 circles were made in vitro. Following RAP purification,
 this DNA was used as tracer in a subtractive hybridization
 reaction. The driver was PCR amplified cDNAs from a pool
 of 5,000 clones made from the same library (clonoids
 985608-986759, 110192-110199, and 121792-122015);
 Subtraction by Bento Soares and M. Fatima Bonaldo."
 BASE COUNT 86 a 78 c 76 g 130 t
 ORIGIN

Percent Similarity: 100.000 Percent Identity: 100.000
 alignment_block: alignment_block:
 US-09-065-672-13 x A1972705/rev
 Align seg 1/1 to reverse of: A1972706 from: 1 to: 370
 seq_name: gb_est16:A1972709
 documentation_block:
 EST 12-SEP-1997
 DEFINITION A1972709 x1 NCI_CGAP_Pr4 Homo sapiens cDNA clone IMAGE:1044717
 similar to contains Alu repetitive element:contains element MER4
 repetitive element ; mRNA sequence.
 ACCESSION A1972709
 VERSION A1972709.1 GI:2356393
 KEYWORDS EST.
 SOURCE
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia;
 Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 375)
 REFERENCE NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
 AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 TITLE Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT On Sep 12, 1996 this sequence version replaced gi:1407086.
 Contact: Robert Strausberg, Ph.D.
 Tel: (301) 496-1550
 Email: Robert.Strausberg@nih.gov
 Tissue Procurement: W. Marson Linehan, M.D., Rodrigo F. Chuaqui,
 M.D., Michael R. Emmert-Buck, M.D., Ph.D.
 CDNA Library Preparation: David B. Krizman, Ph.D.
 CDNA Library Arrayed by: Greg Lennon, Ph.D.
 DNA Sequencing by: Washington University Genome Sequencing Center
 Clone distribution: NCI-CGAP clone distribution information can be
 found through the I.M.A.G.E. Consortium/LN1 at:
 www-bio.lnl1.gov/bbrp/image/image.html
 www-bio.lnl1.gov/bbrp/image/image.html
 Insert length: 395 Std Error: 0.00
 Seq primer: -40ml3 fwd ER from Amersham.
 FEATURES source
 1. 375 Location/Qualifiers
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="IMAGE:1044717"
 /clone_lib="NCI_CGAP_Pr4"
 /sex="male"
 /tissue_type="prostatic intraepithelial neoplasia - high
 grade"
 /dev_stage="adult"
 /lab_host="DH10B"
 /note="Organ: prostate; Vector: pAMP10; mRNA made from
 prostate intraepithelial neoplasia (high-grade), cDNA
 made by oligo-dT priming. Non-directionally cloned.
 Size-selected on agarose gel, average insert size 600 bp."
 BASE COUNT 110 a 87 c 90 g 88 t
 ORIGIN

alignment_scores:
 Quality: 146.00

Length: 28
 Gaps: 0

alignment_block: US-09-065-672-13 x AA578209 ..

Align seg 1/1 to: AA578209 from: 1 to: 375

seq_name: gb_est20:AA876897

seq_documentation_block:

LOCUS AA876897 378 bp mRNA DEFINITION MetLeucCysAlaHisPheSerAspGlnGlyProAlaHisLeuThrThrSer 17

DEFINITION ny4912.s1 NCI_CGAP_Pr12 Homo sapiens EST

simil to contains Alu repetitive element; contains element LTR3

repetitive element ; mRNA sequence.

ACCESSION AAB76897

VERSION AA876897.1 GI:2985974

SOURCE EST.

ORGANISM Homo sapiens

JOURNAL

COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 378)

AUTHORS Tel: (301) 496-1550

TITLE Email: Robert.Strausberg@nih.gov

Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D., Rodrigo F. Chuaqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.

CDNA Library Preparation: David B. Krizman, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINN at: www-bio.lnl.gov/bbrp/image/

Seq primer: -40m13 fwd. ET from Amersham

High quality sequence stop: 376

FEATURES

source

1. .378

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="IMAGE:1274950"

/clone_lib="NCI_CGAP_Pr12"

/sex="Male"

/tissue_type="metastatic prostate bone lesion"

/lab_host="DHL0B"

/note="Vector: PAMP10: mRNA made from metastatic prostate lesion of the bone, CDNA made by Oligo-dT priming. Non-directionally cloned. Size-selected on agarose gel, average insert size 600 bp. Library made by D. Krizman, NIH."

BASE COUNT

104 a 89 c 94 g 89 t

alignment_scores:

Quality: 146.00 Length: 28 Gaps: 0

sent Similarity: 100.000 Percent Identity: 100.000

Block: 0-13 x AA876897

seq_name: gb_est17:AA631916

seq_documentation_block:

LOCUS AA631916 380 bp mRNA DEFINITION npi78b10.s1 NCI_CGAP_Pr2 Homo sapiens CDNA clone IMAGE:1132411

simil to contains Alu repetitive element; contains element MER4

repetitive element ; mRNA sequence.

ACCESSION AA631916

VERSION AA631916.1 GI:2554527

SOURCE EST.

ORGANISM Homo sapiens

JOURNAL

COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 380)

AUTHORS Tel: (301) 496-1550

TITLE Email: Robert_Strausberg@nih.gov

Tissue Procurement: W. Marston Linehan, M.D., Rodrigo Chuaqui, M.D., Michael Emmert-Buck, M.D., Ph.D.

CDNA Library Preparation: David B. Krizman, Ph.D.

CDNA Library Arrayed by: Genome Systems Inc., Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINN at: www-bio.lnl.gov/bbrp/image/

Seq primer: -40m13 fwd. ET from Amersham.

Insert Length: 470 Std Error: 0.00

Seq primer: -40m13 fwd. ET from Amersham.

FEATURES

source

1. .380

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="IMAGE:113411"

/clone_lib="NCI_CGAP_Pr2"

/sex="Male"

/dev_stage="45 years old"

/lab_host="DHL0B"

/note="Vector: PAMP10: site_1: NotI; site_2: EcoRI; 1st strand cDNA was primed with Oligo(dT)17 on 50 ng of DNase-treated, total cellular RNA obtained from 5,000-10,000 microdissected preneoplastic cells histologically-determined to be prostatic intraepithelial neoplasia 2 (PIN2) cells. Double-stranded cDNA was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cDNA with an adaptor-specific primer, and the resulting PCR product subcloned into PAMP10 by the QPCR-cloning method (Life Technologies). Average insert size is 600 bp. NOTE: Not directionally cloned. This library was

BASE COUNT

87 a 92 c 90 g 111 t

alignment_scores:

Quality: 146.00 Length: 28 Gaps: 0

Ratio: 5.214

sent Similarity: 100.000 Percent Identity: 100.000

Block: 10-31 - 77

seq_name: AA876897

seq_documentation_block:

LOCUS AA876897 378 bp mRNA DEFINITION MetLeucCysAlaHisPheSerAspGlnGlyProAlaHisLeuThrThrSer 17

DEFINITION ny4912.s1 NCI_CGAP_Pr12 Homo sapiens EST

simil to contains Alu repetitive element; contains element LTR3

repetitive element ; mRNA sequence.

ACCESSION AAB76897

VERSION AA876897.1 GI:2985974

SOURCE EST.

ORGANISM Homo sapiens

JOURNAL

COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 378)

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Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D., Rodrigo F. Chuaqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.

CDNA Library Preparation: David B. Krizman, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LINN at: www-bio.lnl.gov/bbrp/image/

Seq primer: -40m13 fwd. ET from Amersham.

Insert Length: 470 Std Error: 0.00

Seq primer: -40m13 fwd. ET from Amersham.

FEATURES

source

1. .380

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="IMAGE:113411"

/clone_lib="NCI_CGAP_Pr2"

/sex="Male"

/dev_stage="45 years old"

/lab_host="DHL0B"

/note="Vector: PAMP10: site_1: NotI; site_2: EcoRI; 1st strand cDNA was primed with Oligo(dT)17 on 50 ng of DNase-treated, total cellular RNA obtained from 5,000-10,000 microdissected preneoplastic cells histologically-determined to be prostatic intraepithelial neoplasia 2 (PIN2) cells. Double-stranded cDNA was ligated to EcoRI adaptors, 5 cycles of PCR applied to the cDNA with an adaptor-specific primer, and the resulting PCR product subcloned into PAMP10 by the QPCR-cloning method (Life Technologies). Average insert size is 600 bp. NOTE: Not directionally cloned. This library was

BASE COUNT

87 a 92 c 90 g 111 t

alignment_scores:

Quality: 146.00 Length: 28 Gaps: 0

Ratio: 5.214

